

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	912	(715/517).CCLS.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2006/12/16 14:50
L2	329	spreadsheet\$1 SAME sensor\$1	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/12/16 14:51
L3	7	L2 and geographically	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/12/16 14:51
L4	3	L3 and (@ad<="20031031" or @rlad="20031031")	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/12/16 14:51
S1	232	715/503	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/22 14:58
S2	20198	spreadsheet\$1	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/21 16:13
S3	3287	S2 and sensor\$1	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/21 16:26
S4	5	S1 and S3	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/21 16:14
S5	13	("5301301" "5392207" "5485600" "5680639" "5821934" "5850548" "5995916" "6055369" "6216138" "6292810" "6366300" "6437805" "6708135").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/21 16:17
S6	49170	plurality NEAR2 sensor\$1	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/21 16:27
S7	343	S2 and S6	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/21 16:38

12/16/06 JPD

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S8	73	excel and S7	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/21 16:29
S9	133	spreadsheet\$1 and S1	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/21 16:49
S10	3049	device and S3	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/21 16:38
S11	590	excel and S10	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/21 16:39
S12	577	time and S11	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/22 14:51
S13	107	(data adj source\$1) and S12	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/21 16:44
S14	107	(data adj source\$1) and S11	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/21 16:44
S15	2	("6742162").PN.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2006/02/22 08:39
S16	3	("6701485").PN.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2006/02/22 08:40
S17	2	("6880130").PN.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2006/02/22 14:35
S18	20198	spreadsheet\$1	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/22 12:32
S19	3287	S18 and sensor\$1	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/22 12:46

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S20	3049	device and S19	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/22 12:32
S21	590	excel and S20	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/22 12:34
S22	168	spreadsheet\$1 same calculat\$4 same ((input or source) Near1 data)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/22 12:37
S23	136	S22 and @ad<="20031031"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/12/16 14:51
S24	5	("5121499" "5303146" "5371675" "5375201" "5461708").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 12:43
S25	26689	S23 and excel or Excel	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 12:45
S26	26689	excel or Excel	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 12:44
S27	10	spreadsheet\$1 with sensor\$1 with excel	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/22 14:49
S28	20198	spreadsheet\$1	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/22 14:50
S29	49170	plurality NEAR2 sensor\$1	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/22 14:50
S30	343	S28 and S29	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/22 14:50
S31	127	trigger and S30	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/22 14:57
S32	20198	spreadsheet\$1	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/22 14:51

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S33	3287	S32 and sensor\$1	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/22 14:51
S34	969	trigger\$1 and S33	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/22 14:56
S35	223	excel and S34	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/22 14:52
S36	705	S34 and @ad<="20031031"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/22 14:54
S37	232	715/503	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/22 14:58
S38	12	sensor\$1 and S37	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/22 14:59
S39	0	("2005/0097447").URPN.	USPAT	OR	ON	2006/02/22 15:03
S40	0	("6742162").URPN.	USPAT	OR	ON	2006/02/22 15:09
S41	6	("20030056181" "5418902" "5708827" "6055548" "6138130" "6460059").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/22 15:09
S42	0	("2005/0097447").URPN.	USPAT	OR	ON	2006/02/22 16:59
S43	2	("20030144746").PN.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2006/02/22 17:00
S44	98	(715/504).CCLS.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2006/07/26 09:43
S45	125	(715/508).CCLS.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2006/07/26 09:44
S46	30	spreadsheet\$1 SAME sensor\$1 SAME calculat\$3	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/07/26 09:46

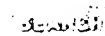
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S47	25	S46 and @ad<"20031031"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/07/26 09:46
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1 [SPOTS'06 session 3--software, development suites, & algorithms: A spreadsheet](#)

[approach to programming and managing sensor networks](#)

Alec Woo, Siddharth Seth, Tim Olson, Jie Liu, Feng Zhao

 April 2006 **Proceedings of the fifth international conference on Information processing in sensor networks IPSN '06**

Publisher: ACM Press

 Full text available: pdf(991.41 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We present a spreadsheet approach to simplifying the process of managing, programming, and interacting with sensor networks and visualizing, archiving and retrieving sensor data. An Excel spreadsheet prototype has been built to demonstrate the idea. This environment provides Excel users, who are already familiar with spreadsheet applications, a convenient and powerful tool for programming and data analysis. We discuss the architecture of this prototype and our experience in implementing the tool ...

Keywords: SQL server, data streams, excel, networked sensors

2 [Demo abstracts: A spreadsheet toolkit for streaming sensor data](#)


Siddharth Seth, Alec Woo, Tim Olson, Jie Liu, Feng Zhao

 November 2005 **Proceedings of the 3rd international conference on Embedded networked sensor systems SenSys '05**

Publisher: ACM Press

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3 [Design and implementation of a framework for efficient and programmable sensor networks](#)


Athanassios Boulis, Chih-Chieh Han, Mani B. Srivastava

 May 2003 **Proceedings of the 1st international conference on Mobile systems, applications and services MobiSys '03**

Publisher: ACM Press

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